

Title (en)

SYSTEMS AND METHODS FOR HARVESTING TARGET PARTICLES OF A SUSPENSION

Title (de)

SYSTEME UND VERFAHREN ZUM GEWINNEN VON ZIELPARTIKELN AUS EINER SUSPENSION

Title (fr)

SYSTÈMES ET PROCÉDÉ POUR RECUEILLIR DES PARTICULES RECHERCHÉES DANS UNE SUSPENSION

Publication

EP 2694126 A2 20140212 (EN)

Application

EP 12768413 A 20120214

Priority

- US 201161473602 P 20110408
- US 2012025113 W 20120214

Abstract (en)

[origin: US2012258531A1] Tube and float systems and methods for isolating, enumerating, and harvesting target materials of a suspension are described. In one aspect, a tube and float system includes a filter embedded in a tube cap. The filter enables the passage of fluids but prevents the passage of the target materials. The tube and float system can be used to isolate and enumerate the target materials by centrifuging the tube and float system with the suspension to trap the target materials between the float and inner wall of the tube. Fluids above and below the float are poured off and a second fluid can be introduced to the tube to re-suspend the trapped target material. The second fluid can be poured through the filter in the cap to trap the target material against the filter. The target material can be enumerated and analyzed.

IPC 8 full level

A61M 1/02 (2006.01); **B01D 21/00** (2006.01); **B04B 1/00** (2006.01); **B04B 7/08** (2006.01); **C12M 1/10** (2006.01); **C12M 1/24** (2006.01)

CPC (source: EP US)

B01D 21/0012 (2013.01 - EP US); **B01D 21/262** (2013.01 - EP US); **B01D 21/307** (2013.01 - EP US); **G01N 33/491** (2013.01 - EP US); **B01D 2221/10** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2012258531 A1 20121011; **US 8445264 B2 20130521**; EP 2694126 A2 20140212; EP 2694126 A4 20141210; WO 2012138420 A2 20121011; WO 2012138420 A3 20121129

DOCDB simple family (application)

US 201213372815 A 20120214; EP 12768413 A 20120214; US 2012025113 W 20120214